

ABSTRACT

A tungsten sealing glass for use in a fluorescent lamp has a composition of, by mass percent, 65-76 % SiO_2 , 10-25 % B_2O_3 , 2-6 % Al_2O_3 , 0.5-5.8 % $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$, 3-8 % $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$, 0.01-4 % $\text{Fe}_2\text{O}_3 + \text{CeO}_2$, 0-10 % $\text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{PbO}$, and 0-2 % ZrO_2 , where $\text{Na}_2\text{O}/(\text{Na}_2\text{O} + \text{K}_2\text{O}) \leq 0.6$.